T0CT50"T2252260

Fig. 1

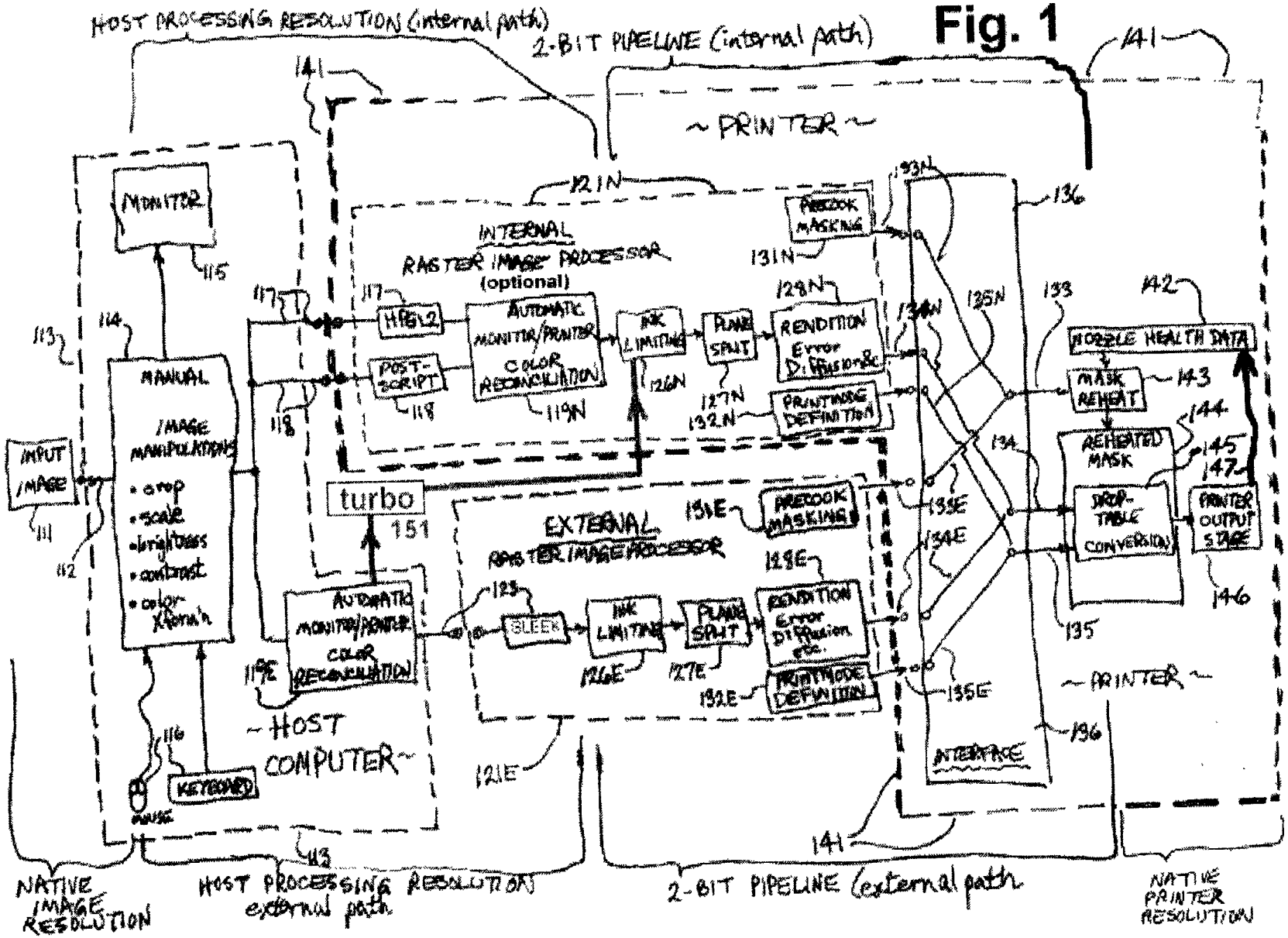


Fig. 2

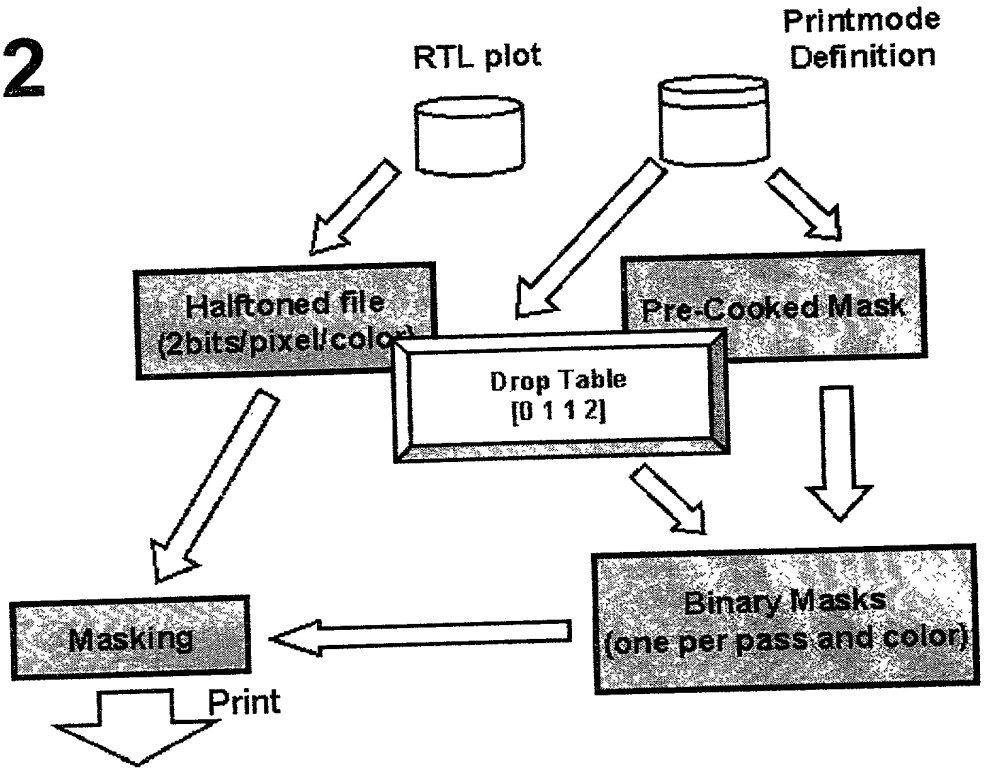

RTL plot
Printmode Definition
Halftoned file (2bits/pixel/color)
Drop Table [0 1 1 2]
Pre-Cooked Mask
Masking
Binary Masks (one per pass and color)
Print

Fig. 3

1200 x 600	Meaning, per cell_600
0 0	Zero Drops
0 1	One Drop on the right
1 0	One Drop on the left
1 1	Two Drops

Fig. 4

Binary Code	Meaning, per cell_600 1200 x 600 dpi	Meaning per cell_600 600x600 dpi, True-2-Bit
0 0	Zero Drops	Zero Drops
0 1	One Drop on the right	A Drops
1 0	One Drop on the left	B Drops
1 1	Two Drops	C Drops

Fig. 5

	ILPS entry	ED entry	SPX entry	Printing entry
Planes	KCMY	KCMYcm	KCMYcm	KCMYcm
Resolution	600 or 300 dpi	600 or 300 dpi	600 or 300 dpi	600 dpi
Bits per pixel	8 bits	8 bits	2 or 4 bits	2 bits
Meaning of bits	Color level	Color level	Superpixel family	Drop Table input

Fig. 6

Max. Drops per Primary	0	A	B	C	Comments
1	0	1	1	1	Used for Diagnostic Plots and Economy Mode
2	0	1	1	2	Default for Stork (compatible with 1200x600, Binary)
3	0	1	2	3	For Backlit Media
4	0	1	2	4	Could be used for Canvas or Textile
8	0	1	3	8	A different printhead with 3 pl per drop can be accomodated into this pipeline as well

Fig. 7

ED state	0000	0001	0010	0011	0100	0101	0110	0111
Super-pixel	0 0 0 0	0 1 0 0	0 1 1 0	0 1 1 1	1 1 1 1	1 3 1 1	1 3 3 1	3 3 3 3
# Drops	0	1	2	3	4	5	6	8

Fig. 8

ED state	0000	0001	0010	0011	0100	0101	0110	0111
Super-pixel	00 00	01 00	01 10	01 11	11 11	13 11	13 31	33 33
# Drops	0	1	2	3	4	5	6	8

Fig. 9

ED state = SPX family	0000	0001	0010	0011	0100	0101	0110	0111
Permutation 0	00 00	01 00	01 10	01 11	11 11	13 11	13 31	33 33
Permutation 1	00 00	10 00	10 01	10 11	11 11	31 11	31 13	33 33
Permutation 2	00 00	00 10	11 00	11 01	11 11	11 13	33 11	33 33
Permutation 3	00 00	00 01	01 01	11 10	11 11	11 31	13 13	33 33
# Drops	0	1	2	3	4	5	6	8

Fig. 10

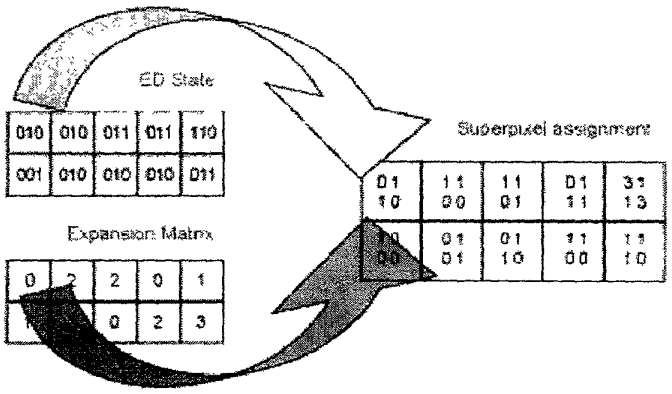


Fig. 11

ED state = SPX family	00	01	10	11
Permutation 0	0	1	1	3
Permutation 1	0	1	1	3
Permutation 2	0	1	1	3
Permutation 3	0	1	1	3
# Drops	0	1	1	2

Fig. 12

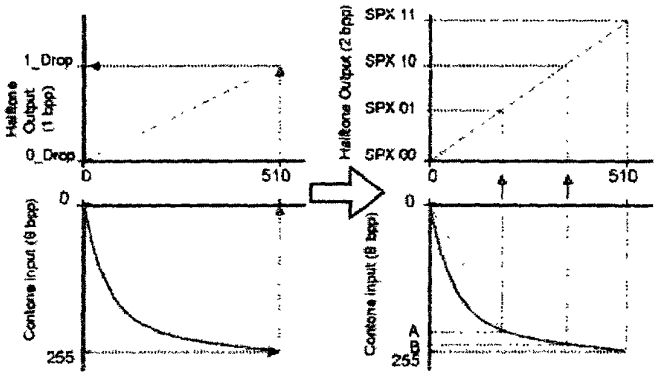


Fig. 13

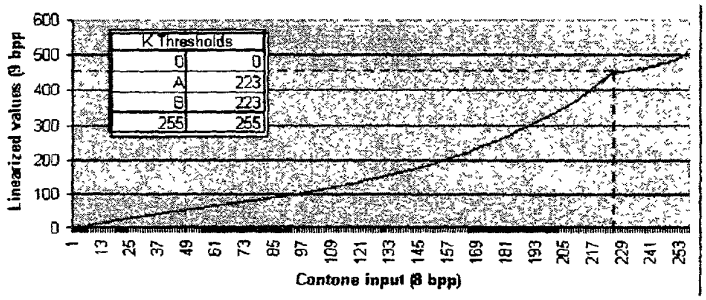


Fig. 14

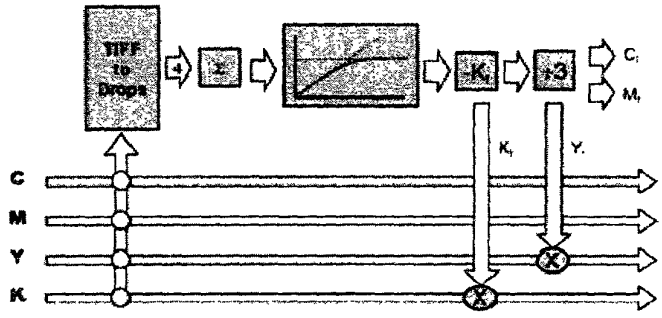
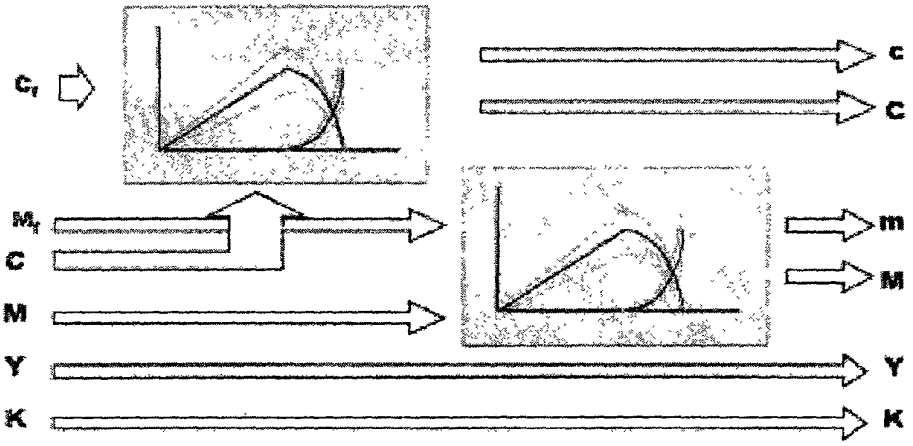


Fig. 15



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